

Date: Fri, 5 Aug 94 04:30:11 PDT  
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>  
Errors-To: Ham-Ant-Errors@UCSD.Edu  
Reply-To: Ham-Ant@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Ant Digest V94 #248  
To: Ham-Ant

Ham-Ant Digest                      Fri, 5 Aug 94                      Volume 94 : Issue 248

Today's Topics:

    ??? Butternut Stub  
    chimney mounted verticals  
    Comet Miracle Baby CH-32  
    G5RV grounding question  
    JPole fundamentals  
    Need Simple UHF Antenna Design  
Question: Powerlines surrounding Antenna  
    THANKS!  
    Thru-the-Glass Antennas at home  
    Which telescopic antenna for 2m HT?

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>  
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 4 Aug 1994 19:23:59 GMT  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!europa.eng.gtefsd.com!  
newsxfer.itd.umich.edu!zip.eecs.umich.edu!yeshua.marcam.com!insosf1.infonet.net!  
usenet@network.ucsd.edu  
Subject: ??? Butternut Stub  
To: ham-ant@ucsd.edu

I recently purchased a Butternut HF6-V used.  
The only part missing is the 75ohm matching stub.  
Does anyone know what the length of it is???

Any info helpful...  
    DARKON@ins.infonet.net

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Date: Thu, 4 Aug 94 10:16:16 MST  
From: ihnp4.ucsd.edu!newshub.sdsu.edu!nic-nac.CSU.net!charnel.ecst.csuchico.edu!  
yeshua.marcam.com!zip.eecs.umich.edu!newsxfer.itd.umich.edu!jobone!lynx.unm.edu!  
dns1.NMSU.Edu!usenet@network.UCSD  
Subject: chimney mounted verticals  
To: ham-ant@ucsd.edu

On Thu, 4 Aug 1994 14:18:43 GMT,  
John D. Walker <jdw@apian.att.com> wrote:

>  
>  
>I'd like to get some input on mounting a vertical on a chimney (traditional  
>TV antenna location). My chimney is in excellent condition and is  
>reasonably large (about 4 feet X 3 feet at the top). It is also about  
>33 feet tall. I am considering an R5 or R7 or GAP Eagle. Anyone have  
>experience (good or bad!) with this type of installation?

John, Be sure you have good ground so that you do not make a lighting rod  
out of the chimney/vertical combination, other wise IMHO it should do well.

William Osborne, AA5ZQ                    505-646-3919  
Professor ECE Dept.                    PO BOX 30001, Dept. 3-0  
New Mexico State University    Las Cruces, NM 88003-0001

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Date: Thu, 04 Aug 1994 23:54:51 -0800  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!usc!  
elroy.jpl.nasa.gov!lll-winken.llnl.gov!apple.com!NewsWatcher!user@network.ucsd.edu  
Subject: Comet Miracle Baby CH-32  
To: ham-ant@ucsd.edu

I have one, I lose about 2 s-units on 2m and 70cm. It's fine for around  
the valley (Santa Clara, CA) As long as you stay realistic in your  
expectations you wont be disappointed.

Greg "RotnApple" Reid

In article <CtLz61.AB3@hpcvsnz.cv.hp.com>, davidc@lsid.hp.com (David Cook)  
wrote:

> What kind of experiences has anybody had using Comet's CH-32 Miracle Baby HT

> antenna? I know it won't give me the same performance as the already  
> inefficient stock rubber duck that came with my HT but what can I reasonably  
> expect? Can I accomplish at 2 watts with the CH-32 what I can now do with  
> 5 watts and my stock rubber duck or is the CH-32 a real dummy load?  
>  
> Dave, KB7QCL  
RotnApple

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Date: Thu, 4 Aug 1994 14:01:46 GMT  
From: ihnp4.ucsd.edu!agate!usenet.ins.cwru.edu!eff!news.duke.edu!convex!  
cs.utexas.edu!chpc.utexas.edu!news.utdallas.edu!corpgate!nrtphaa9.nt.com!brtph560!  
b4pph107!jwittich@network.ucsd.edu  
Subject: G5RV grounding question  
To: ham-ant@ucsd.edu

Hi Guys. I have a question about lightning protection on a G5RV.  
I know the coax is about 70 feet long for a reason. I want to  
install a lightning arrestor in the coax. I have a copper plate  
on the back of the house, which is grounded, and I want to install  
the arrestor there. Should I just plug the existing length of coax  
in there and add a piece (about 15 feet) to go from there to  
the rig, or should I cut the existing coax so that it remains  
its original length, and is grounded about 15 feet from its end?

By \*grounded\* I mean the shield is grounded via the lightning arrestor,  
of course.

Is my whole approach wrong?

thanks, 73, Jeff.

jwittich@b4pph107.bnr.ca

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\*\*\*\*\*  
jwittich@b4pph107.bnr.ca                   \* BNR claims they know nothing of my  
AC4ZO                                       \* employment here.  
\*\*\*\*\*

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Date: Thu, 4 Aug 1994 16:48:40 GMT  
From: ihnp4.ucsd.edu!newshub.sdsu.edu!nic-nac.CSU.net!charnel.ecst.csuchico.edu!  
yeshua.marcam.com!usc!sdd.hp.com!col.hp.com!news.dtc.hp.com!hpscit.sc.hp.com!icon!

greg@network.ucsd.edu  
Subject: JPole fundamentals  
To: ham-ant@ucsd.edu

Alan Eldridge (alan.eldridge@dragonbbs.com) wrote:

: Next, I'm going to start working on the Zepp antennas.

Think about this a minute. That's what a J-pole is.

Greg KD6KGW

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Date: Wed, 3 Aug 1994 18:29:52 GMT  
From: rit!isc-newsserver!ritvax.isc.rit.edu!JGE8874@cs.rochester.edu  
Subject: Need Simple UHF Antenna Design  
To: ham-ant@ucsd.edu

I'm looking for a simple UHF antenna, designed specifically for channel 68, which operates at 794 - 800 MHZ. I live at least 60 miles from the transmitting antenna. Thanks for your help.

-----  
Date: Thu, 4 Aug 1994 04:33:31 GMT  
From: elroy.jpl.nasa.gov!usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!csusac!csus.edu!netcom.com!wa2ise@ames.arpa  
Subject: Question: Powerlines surrounding Antenna  
To: ham-ant@ucsd.edu

There wasn't an indication as to how far the powerlines are from your house, but guessing at least 50 feet, they shouldn't have much effect on transmitting. Usually, you may have more problems with RFI into your TVs etc, with the antenna in the attic. A vertical antenna might reduce the noise? You could plant a "flagpole" (vertical disguised as a flagpole) somewhere in the yard. Or thin guage "invisible" dipole in the trees. Neighbors probably won't see it or not care much, as it is not intrusive on the view. Put it up and not transmit for several months, and the neighbors won't associate it with ham transmits.

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Date: Wed, 3 Aug 94 20:19:11 PDT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!vixen.cso.uiuc.edu!sdd.hp.com!portal.com!portal!cup.portal.com!  
AllanWS@network.ucsd.edu  
Subject: THANKS!

To: ham-ant@ucsd.edu

Thanks to all who have responded for the query on Inverted V antennas. Several have pointed out that a full wave (1/2 on a leg) would NOT be the way to go. Others have suggested to go with a enclosed loop (vertical delta or square array). W8UOF gave me some great articles to look up for ideas along the Inv V lines! If anyone wishes these references, I can repost them to E-mail.

It has been suggested that the NCJ has the K3LR system might work (a maypole type antennas are drapped off the tower in several locations). For ease of construction for right now, I have decided to stick to a basic Inv V @ 90 feet with a 1/4 wave on a leg (small one! Hi!) and using the basic and sparse instructions in the ARRL Antenna Book. From there a switchable array looks to be the next step.

While each station is different, for those who wish a A/B comparison of the dipole @ 50ft vs the Inv V @ 90ft, I will post my observations at a later time! Again, thanks for the ideas and warnings!

73 A1 N9ISN allanws@cup.portal.com

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Date: Thu, 4 Aug 1994 16:57:39 GMT  
From: ihnp4.ucsd.edu!newshub.sdsu.edu!nic-nac.CSU.net!usc!sdd.hp.com!  
hpscit.sc.hp.com!icon!greg@network.ucsd.edu  
Subject: Thru-the-Glass Antennas at home  
To: ham-ant@ucsd.edu

Lawrence \*The Dreamer\* Chen (lawrence@combdyn.com) wrote:

: I'd like to know if one of those Thru-The-Glass car antennas would work on  
: a normal window at home? I have a friend that wants to try a 2m/440 version  
: of these at his place. Where he has trouble convincing the XYL the purpose  
: of drilling holes in a perfectly good house.  
:

One thing to check is if you have insulated "double pane" windows. If so, I expect the window's thickness will kill any chances of it working.

Although not willing to drill a hole in my new car, I had no problem doing so with my house. Drill the hole.

Greg.

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Date: Thu, 4 Aug 1994 20:40:02 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!spool.mu.edu!sdd.hp.com!col.hp.com!

srgeprp!frankb@network.ucsd.edu  
Subject: Which telescopic antenna for 2m HT?  
To: ham-ant@ucsd.edu

Vinod Narayanan (vinod@watson.ibm.com) wrote:

& The two candidates I found are the AEA "hotrod" and the  
& corresponding MFJ antenna.  
& I would like recommendations, experiences etc with the above.

I have both. They both will easily allow you to drop from 2.5 to .5 watts.  
The AEA costs about 50% more \$\$\$. The AEA has one or two more "sections" so  
it is about 2" shorter when collapsed, so it is nicer for carrying around.  
They seem to perform identically, and when I looked at the impedance on a  
network analyzer they had about the same bandwidth and match, but the MFJ  
appeared to be tuned centered in the ham band, and the AEA was a MHz or two  
higher. If collapsed size is the issue get the AEA, otherwise get the MFJ.

Also the match goes to hell when the antenna is collapsed, so I won't use  
it as a "rubber duck" when not extended (some people say this is ok). If  
you want a rubber duck, use one.

--

Frank Ball 1UR-M frankb@sr.hp.com (707) 794-4168 work  
Hewlett Packard (707) 794-3844 fax (707) 538-3693 home  
1212 Valley House Drive IT175 XT350, Seca 750, '62 F-100, PL510  
Rohnert Park CA 94928-4999 KC6WUG AMA DoD #7566 NMLRA I'm the NRA.

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Date: Thu, 4 Aug 1994 17:55:06 GMT  
From: ihnp4.ucsd.edu!newshub.sdsu.edu!nic-nac.CSU.net!charnel.ecst.csuchico.edu!  
yeshua.marcam.com!news.kei.com!eff!usenet.ins.cwru.edu!news.csuohio.edu!  
vmcms.csuohio.edu!R0264@network.ucsd.edu  
To: ham-ant@ucsd.edu

References <310mc0\$odu@watnews1.watson.ibm.com>,  
<cc09Pc3w165w@jackatak.raider.net>, <y7eFkG84KB7Q057yn@suncd.abc.se>.com  
Subject : Re: What coax feed to use for 2m antenna

In article <y7eFkG84KB7Q057yn@suncd.abc.se>  
m8627@suncd.abc.se (Mats Persson) writes:

>  
>In article <cc09Pc3w165w@jackatak.raider.net>, Jack GF Hill wrote:  
>> 3) PL-259 connector, \*PROPERLY INSTALLED\* are the equal of the "N"  
>discone specified to work up to 700MHz!  
>

>> 4) Not many can PROPERLY install a PL-259, which furthers the myth of  
>> their poor performance, and really makes weather a problem.

>

>My experience is that the crimp version is possible to assemble  
>properly, but I have never been able to use the solder version  
>without frying the cable. How do you do it?

>

>/Mats

I have done a lot over the years, some with success, and some otherwise.  
Soldering the center conductor is easy, but the shield is where I have  
problems sometimes. It seems to help to rough up the outside of the  
connector, around the solder holes, with a file, to get down through the  
plating. Then my strategy is to use a really hot iron, to get the heat  
on quick, and then get it off quick, before it can penetrate very far  
into the cable. A torch can be used, but it is a very delicate  
operation, that way. I prefer the more expensive connectors with teflon  
insulation, as they can be removed (with a torch) and reused.

-- Phil Emerson

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End of Ham-Ant Digest V94 #248

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